

B) with a data processing device, e.g., a workstation 25 in Fig. 2A. For example, one can transform a specific fluid pressure and valve pressure corresponding to a certain configuration of the substrate 26 to computer-recognizable data, and save this data in the workstation 25. By using an input device, e.g., keyboard or mouse, to recognize a particular configuration of the substrate 26 to be processed, the workstation 25 generates a control command for the flux dispenser 22 to select a predetermined valve pressure or fluid pressure, thereby reducing the processing time and increasing the accuracy of the flux dispensing process.--

IN THE CLAIMS:

Please cancel claims 19-21 in their entirety without prejudice or disclaimer of the subject matter and amend claims 18, 22 and 26 as follows:

18. (Amended) An apparatus for dispensing flux on a substrate having a plurality of conductive terminals thereon, the apparatus comprising:

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a data processing device adapted for determining an optimum valve pressure, flux viscosity, and flux spray pattern based on a configuration of the substrate and an arrangement pattern of conductive terminals thereon; and

a flux dispense nozzle configured for spraying flux at a valve pressure range between about 1.5 psi and about 30 psi to deposit the flux on the plurality of conductive terminals, wherein

the data processing device controls movement of the flux dispense nozzle in at least two dimensions relative to the substrate.